

State of Alaska
Department of Fish and Game
Nomination for Waters
Important to Anadromous Fish

AWC Volume SE SC SW W AR IN USGS Quad Craig - C 2

Anadromous Water Catalog Number of Waterway 102-70-10550-2002

Name of Waterway None. Trib to Setter Creek USGS name None Local name ?

Addition X Deletion Correction Backup Information

For Office Use

Old LHF 1/25/2000

Nomination # <u>99 326</u>	<u>Jana Pander</u> <u>12-23-99</u> Regional Supervisor Date
Revision Year: <u>00</u>	<u>Ed Wein</u> <u>1/20/00</u> Date
Revision to: Atlas <u> </u> Catalog <u> </u>	
Both <u>X</u>	
Revision Code: <u>A-Z</u>	Drafted <u> </u> Date <u> </u>

OBSERVATION INFORMATION

Species	Date(s) Observed	Spawning	Rearing	Migration	Anadromous
Coho	8-31-99		10		Yes
Cutthroat	8-31-99		20+		Unknown

IMPORTANT: Provide all supporting documentation that this water body is important for the spawning, rearing or migration of anadromous fish, including: number of fish and life stages observed; sampling methods, sampling duration and area sampled; copies of field notes; etc. Attach a copy of a map showing location of mouth and observed upper extent of each species, as well as any other information such as: specific stream reaches observed as spawning or rearing habitat; locations, types, and heights of any barriers; etc.

Comments: See attachment

Recommended Action: Add this stream to the catalog. Coho spawning and rearing. ~ 1,125 meters

Name of Observer (please print) Steven McCurdy

Date: 9-1-99 Signature: Steve McCurdy

Address: PO Box 668

Craig Alaska 99921

This certifies that in my best professional judgement and belief the above information is evidence that this waterbody should be included in or deleted from the Catalog of Waters Important for Spawning, Rearing or Migration of Anadromous Fishes per AS 16.05.870.

Signature of Area Biologist: Maria A. Jangle

Rev. 7/93

MEMORANDUM

State of Alaska DEPARTMENT OF FISH AND GAME

FROM: Steven McCurdy
Habitat Biologist
Habitat and Restoration Division
Craig

Date: September 1, 1999

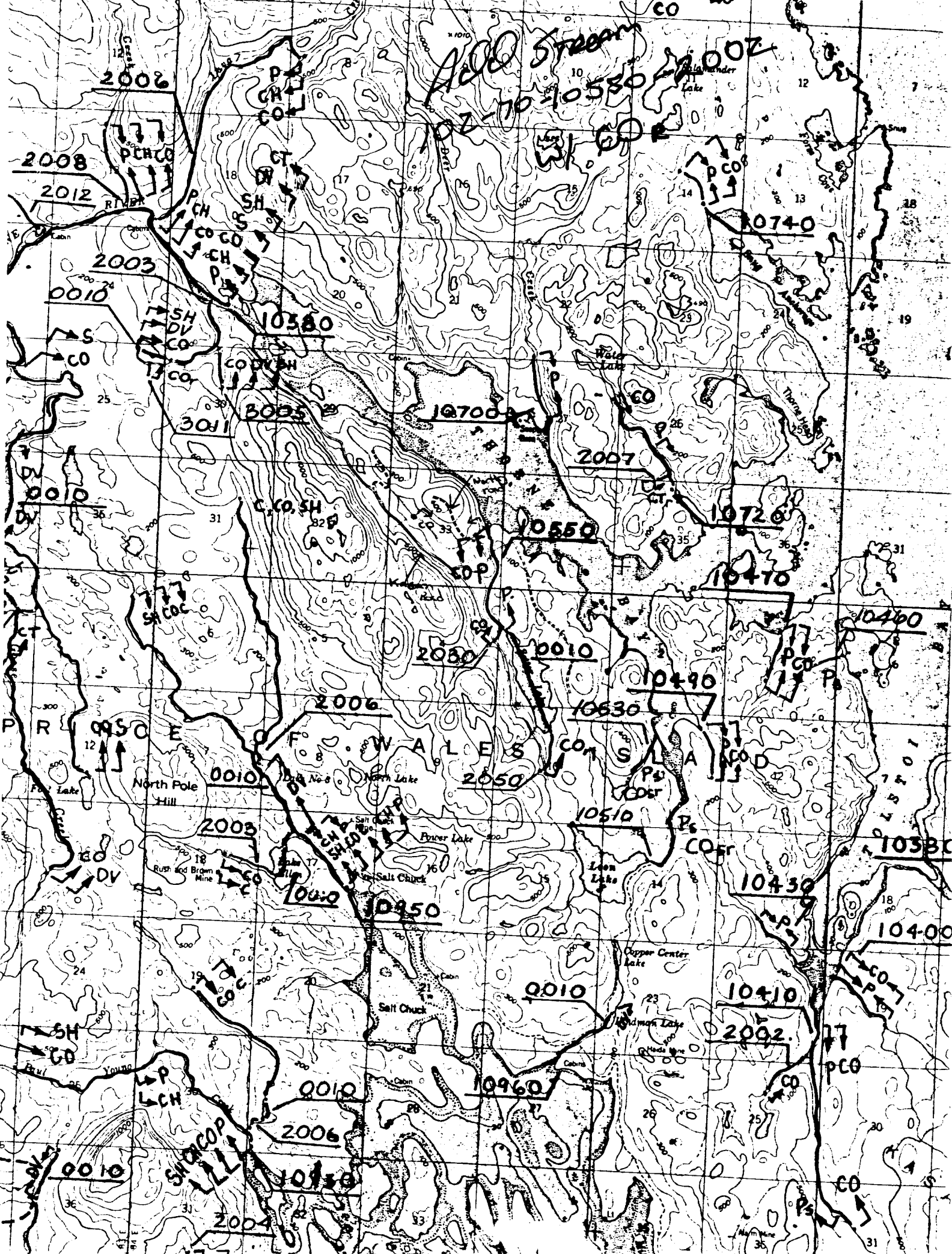
RE: Tributary to Setter Creek

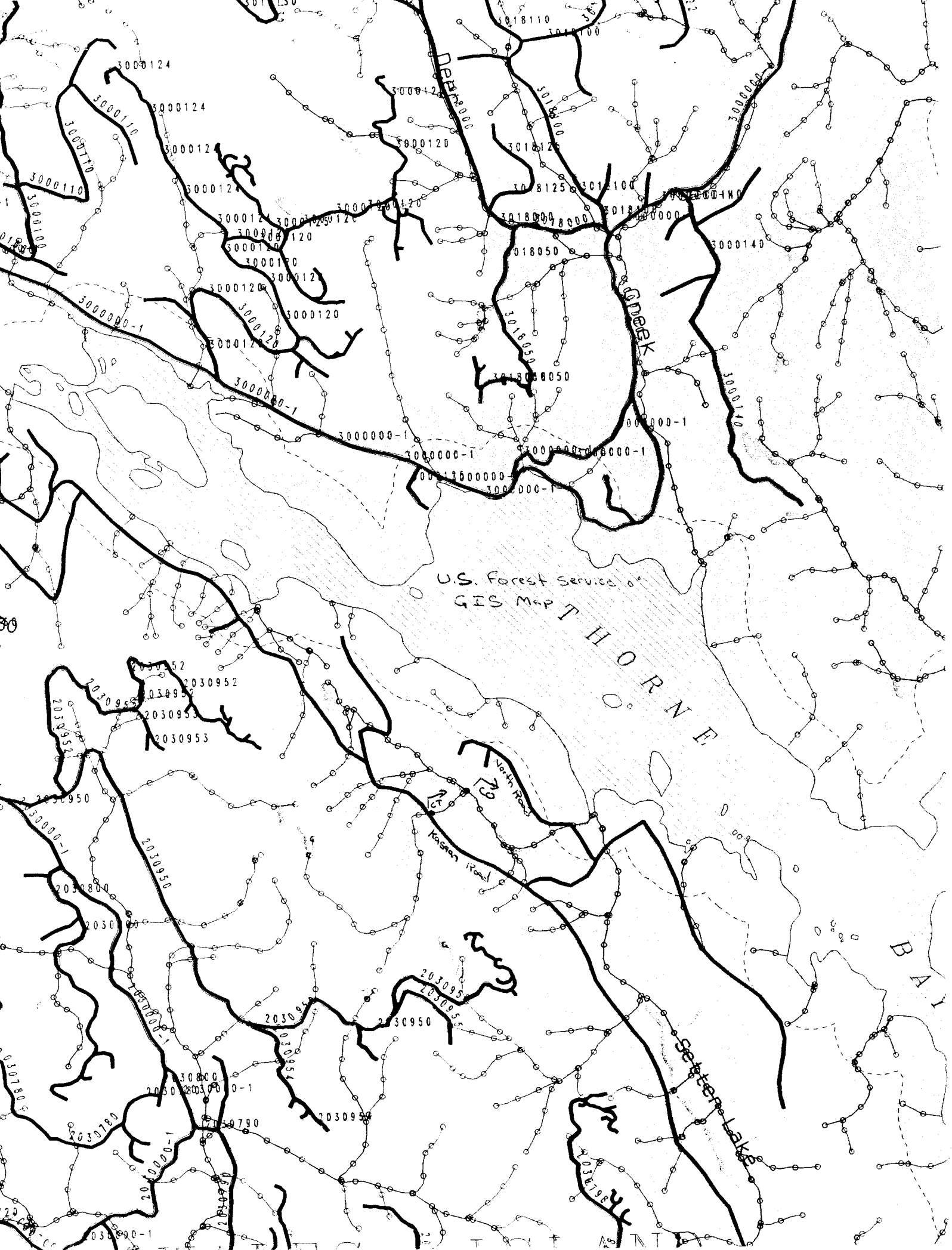
On August 20, 1999, I inspected a portion of a tributary stream to Setter Creek (stream number 102-70-10550, cataloged for pink and coho salmon) at the request of Alaska Power and Telephone Company (AP&T). AP&T is currently clearing trees for a power line right of way and indicated that they would probably be clearing some trees in the riparian area adjacent to this stream. Except for the upper-most headwaters of this watershed, the stream is located within the city limits of Thorne Bay in section 33, T71S, R84E CRM. On August 31, 1999 I returned in order to determine the upper extent of anadromous habitat.

Below where the stream is crossed by the North road the stream is approximately 15 feet wide with a 9% grade. I would classify the stream channel type in this section as a HC2 (high gradient contained). The dominant substrate is small and large cobble along with smaller amounts of gravel, boulders and bedrock. There are small areas of spawning habitat available. There are a number of small cascades and falls that are almost certainly barriers to pink salmon, and may be passable by coho only at certain flows. The vegetation is all second growth alder, spruce, hemlock and cedar and appears to be about 30 years old. No riparian buffer was retained at the time of timber harvest.

Above the North road the terrain levels off and the gradient of the stream is from 0% to 2%. I would classify the channel type in this area as PA5 (palustrine, beaver dam/pond channel), with numerous sloughs and beaver ponds. There are small areas of spawning habitat available in this area.

As part of the inspection I electroshocked a short section of stream below the North Road on August 20, 1999. Several juvenile cutthroat trout and coho salmon were captured. On August 31, 1999 I electroshocked upstream of the North road. I captured 10 juvenile coho salmon and over 20 cutthroat trout. The coho were all around 80 mm in length and were probably from the 1997 brood year. Several size classes of cutthroat were captured from 40-mm fry to fish over 200 mm in length. Coho were captured to within 200 meters of the Kasaan road. Cutthroat were captured up to the Kasaan road at which point a culvert creates a barrier to upstream migration. The habitat above the North road appears to be excellent rearing habitat for juvenile coho salmon. Coho almost certainly spawn here since the culvert on the North road appears to be a barrier to juvenile fish (the outlet is perched). Coho habitat may extend further





RONS/HARBOR ROAD PROJECT
SETTER CREEK BRIDGE REPLACEMENT

I included this map to show the approximate location of the culverts

